

Converting Colors

$Yxy(62.6218, 0.2589, 0.3456)$

Have a look what the booklet for
Yxy(62.6218, 0.2589, 0.3456)
contains.

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Color

Yxy(62.8890, 0.2590, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	7CE1D4
RGB	124, 225, 212
RGB Percent	49%, 88%, 83%
CMY	0.5134, 0.1177, 0.1686
CMYK	0.45, 0.00, 0.06, 0.12
HSL	172°, 63%, 68%
HSV	172°, 45%, 88%
XYZ	47.1304, 62.8890, 71.9511
YIQ	193.3190, -56.0230, -25.4550

Conversions

Conversions Part 2

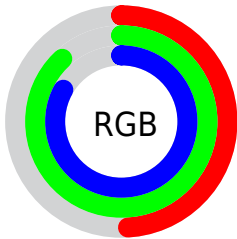
Format	Color
RYB	124, 178, 225
Decimal	8184276
CIELab	83.38, -32.63, -2.85
CIElCh	83, 32.751, 184.995
Yxy	62.8890, 0.2590, 0.3456
Android (android.graphics.Color)	4286374356 (0xFF7CE1D4)
YUV	193.3190, 9.2097, -60.7928
Hunter-Lab	79.3026, -32.6951, 1.7181

Details

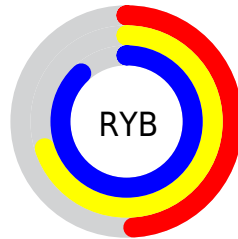
The Yxy color **62.8890, 0.2590, 0.3456** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2488, 0.4166, 0.3140**, and the grayscale version is **53.5074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **31.9341, 0.2460, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **61.2561, 0.2507, 0.3499**, and if you desaturate by 10%, it is **64.9120, 0.2690, 0.3414**.

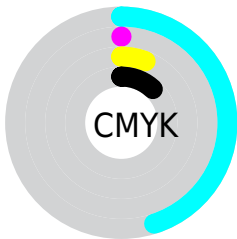
Distribution



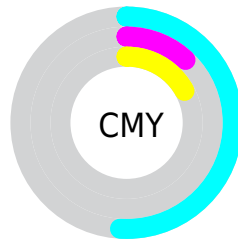
- Red (49%)
- Green (88%)
- Blue (83%)



- Red (49%)
- Yellow (70%)
- Blue (88%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)




- Cyan (51%)
- Magenta (12%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8890, 0.2590, 0.3456 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 62.8890, 0.2590, 0.3456 by changing the saturation by 10% instead.


 62.8890, 0.2590,
0.3456


 62.8890, 0.2590,
0.3456


435.1665, 0.2843,
0.3380


 45.7514, 0.2531,
0.3473


 109.0094, 0.2678,
0.3430

 32.0497, 0.2459,
0.3494


 138.7609, 0.2712,
0.3420

 21.3995, 0.2366,
0.3520


 173.4859, 0.2742,
0.3411

 13.4163, 0.2244,
0.3554

213.5688, 0.2767,
0.3403

 7.7158, 0.2076,
0.3599

259.3939, 0.2790,
0.3396

 3.9137, 0.1833,
0.3659

311.3456, 0.2809,

 1.6254, 0.1415,

0.3390

369.8084, 0.2827,
0.3385

0.3760

0.3746, 0.0000,
0.3815

0.0000, 0.0000,
0.0000

62.8890, 0.2590,
0.3456

62.8890, 0.2590,
0.3456

61.2561, 0.2507,
0.3499

64.9120, 0.2690,
0.3414

59.9794, 0.2442,
0.3544


67.3414, 0.2803,
0.3375

59.0317, 0.2396,
0.3589


70.2017, 0.2928,
0.3339

58.3787, 0.2370,
0.3635

73.5133, 0.3061,
0.3305


 57.9780, 0.2361,
0.3679


 77.2951, 0.3199,
0.3275

 57.8346, 0.2362,
0.3702

 80.7845, 0.3310,
0.3247

 80.9478, 0.3291,
0.3218

 81.1139, 0.3271,
0.3190

 81.2827, 0.3252,
0.3162

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8890, 0.2934, 0.3829



62.8890, 0.2590, 0.3456



62.8890, 0.2394, 0.3058

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



62.8890, 0.2590, 0.3456



62.8890, 0.2871, 0.2656



62.8890, 0.3929, 0.3758

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



62.8890, 0.2590, 0.3456



32.2488, 0.4166, 0.3140

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.8890, 0.3920, 0.3438



62.8890, 0.2590, 0.3456



62.8890, 0.3286, 0.2828

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.8890, 0.2590, 0.3456



62.8890, 0.2547, 0.2627



62.8890, 0.3679, 0.3106



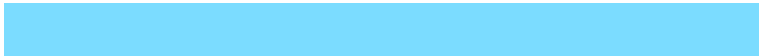
62.8890, 0.3713, 0.3985

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8890, 0.2590, 0.3456



62.8890, 0.2363, 0.2845



62.8890, 0.3679, 0.3106



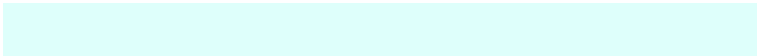
62.8890, 0.3954, 0.3657

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



62.8915, 0.2590, 0.3456



93.9744, 0.2951, 0.3333



60.6671, 0.3145, 0.4657



19.9177, 0.2922, 0.3340



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8915, 0.2590, 0.3456



81.4543, 0.2510, 0.3497



45.6890, 0.2440, 0.2794



15.5404, 0.2999, 0.3320



33.3417, 0.2360, 0.3695



2.3196, 0.2341, 0.3626

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.2488, 0.4166, 0.3140



35.8021, 0.4526, 0.3116



42.9812, 0.4115, 0.3727



13.7291, 0.3272, 0.3260



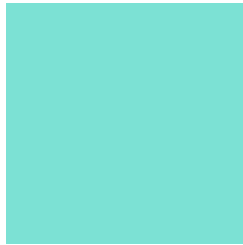
9.2847, 0.6230, 0.3206



0.6530, 0.5886, 0.3016

Previews

White Background



This preview shows how the Yxy color 62.8890, 0.2590, 0.3456 looks on a white background.

Color Contrast Check

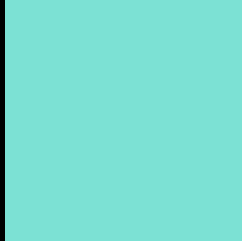
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 62.8890, 0.2590, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

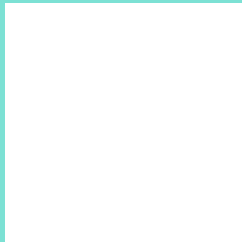
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 62.8890, 0.2590, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 62.8890, 0.2590, 0.3456.

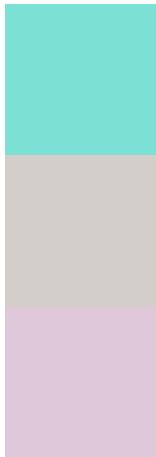


This preview shows how white text looks on a background with the Yxy color 62.8890, 0.2590, 0.3456.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

62.8890, 0.2590, 0.3456

Protanopia

62.2085, 0.3201, 0.3348

Deuteranopia

61.8479, 0.3175, 0.3102



Tritanopia

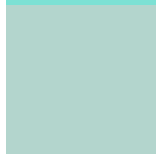
62.8504, 0.2487, 0.3067

Trichromacy



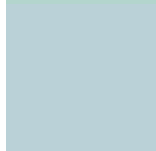
Original Color

62.8890, 0.2590, 0.3456



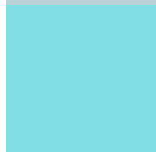
Protanomaly

61.5800, 0.2937, 0.3387



Deuteranomaly

60.9463, 0.2921, 0.3218



Tritanomaly

62.5668, 0.2523, 0.3201

Monochromacy



Original Color

62.8890, 0.2590, 0.3456



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.1576, 0.2890, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8890, 0.2590, 0.3456 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(124, 225, 212)` looks like.

```
.text, #text, p{  
    color:rgb(124, 225, 212)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(124, 225, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 225, 212) }
```

Border

The CSS property to change the border of an element to Yxy 62.8890, 0.2590, 0.3456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(124, 225, 212) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(124, 225, 212) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(124, 225, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 225, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 225, 212);  
box-shadow:4px 4px 4px 4px rgb(124, 225,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8890, 0.2590, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 225, 212) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(124,  
225, 212) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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